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CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

REPORT

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COUNTRY

East Germany

DATE DISTR. 18 May 1954

SUBJECT

Research Projects Assigned to the
University of Greifswald

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1. The project designated "Fluorinated Hydrocarbons" concerned the production of organic fluorinated hydrocarbons with anhydrous hydrogen fluoride. Twelve thousand (12,000) DME were allocated for this research. The goal was to be attained by the investigation of three methods:
 - a. Replacement of the alcoholic hydroxyl group by fluorine: the current work was to be continued and studies made on the addition of dehydrating agents to increase the yields which were not satisfactory.
 - b. Substitution of chlorine by fluorine: the search for suitable fluorine carriers was to be continued; it should be possible to accomplish the direct conversion of chlorinated hydrocarbons conveniently with hydrogen fluoride by working at increased pressures.
 - c. Preparation of fluorine-containing intermediates by the addition of hydrogen fluoride to unsaturated compounds: such compounds as vinyl fluoride, chlorofluorethylene, chlorotrifluorethylene and tetrafluorethylene should be prepared in this manner.
2. The project designated "Hydrogen Fluoride Rearrangements" was allocated the sum of 10,000 DME. Among the goals to be attained in the study of anhydrous fluoride transformations and rearrangements were the following:
 - a. Investigation of the Fries rearrangement in order to attain essentially greater yields in the synthesis of adrenaline.
 - b. Investigation of Perlon production including the possibility of performing

25 YEAR RE-REVIEW

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